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Proceedings of the third symposium on Operating systems design and implementation table

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- 1 J. Almeida and P. Cao. Wisconsin Proxy Benchmark 1.0. http://www.cs.wisc.edu/cao/wpbl.O.html.
- 2 Jennifer M. Anderson , Lance M. Berc , Jeffrey Dean , Sanjay Ghemawat , Monika R. Henzinger , Shun-Tak A. Leung , Richard L. Sites , Mark T. Vandevoorde , Carl A. Waldspurger , William E. Weihl, Continuous profiling: where have all the cycles gone?, Proceedings of the sixteenth ACM symposium on Operating systems principles, p.1-14, October 05-08, 1997, Saint Malo, France
- 3 Joel Auslander, Matthai Philipose, Craig Chambers, Susan J. Eggers, Brian N. Bershad, Fast, effective dynamic compilation, Proceedings of the ACM SIGPLAN '96 conference on Programming language design and implementation, p.149-159, May 21-24, 1996, Philadelphia, Pennsylvania. United States
- 4 B. N. Bershad , S. Savage , P. Pardyak , E. G. Sirer , M. E. Fluczynski , D. Becker , C. Chambers , S. Eggers, Extensibility safety and performance in the SPIN operating system, Proceedings of the fifteenth ACM symposium on Operating systems principles, p.267-283, December 03-06, 1995, Copper Mountain, Colorado, United States

- 5 Adrian Cockcroft, Richard Pettit, Sun performance and tuning (2nd ed.): Java and the Internet, Prentice-Hall, Inc., Upper Saddie River, NJ, 1998
- 6 D. R. Engier, M. F. Kaashoek, J. O'Toole, Jr., Exokernel: an operating system architecture for application-level resource management, Proceedings of the fifteenth ACM symposium on Operating systems principles, p.251-266, December 03-06, 1995, Copper Mountain, Colorado, United States
- 7 <u>Dawson R. Engler, VCODE: a retargetable, extensible, very fast dynamic code generation system, Proceedings of the ACM SIGPLAN '96 conference on Programming language design and implementation, p.160-170, May 21-24, 1996, Philadelphia, Pennsylvania, United States</u>
- 8 D. Ghormley, S. Rodrigues, D. Petrou, and T. Anderson. SLIC: An Extensibility System for Commodity Operating Systems, 1998 USENIX Technical Conference, New Orleans, June 1998.
- 9 J.K. Hollingsworth, B.P. Miller and J. Cargille. Dynamic Program Instrumentation for Scalable Performance Tools, Sculuble High Petjkwmunce Computing Conference, Knoxville, May 1994.
- 10 J.K. Hollingsworth, B.P. Miller, M.J.R. GonGalves, O. Naim, Z. Xu and L. Zheng. MDL: A Language and Compiler for Dynamic Program Instrumentation. International Conference on Parallel Architectures und Compilation Techniques, San Francisco, Nov. 1997.
- 11 Geoffrey H. Kuenning, Kitrace: precise interactive measurement of operating systems kernels, Software—Practice & Experience, v.25 n.1, p.1-21, Jan. 1995
- 12 James R. Larus, Eric Schnarr, EEL: machine-independent executable editing, Proceedings of the conference on Programming language design and implementation, p.291-300, June 18-21, 1995, La Jolla, California, United States
- 13 <u>David Mosberger</u>, <u>Larry L. Peterson</u>, <u>Patrick G. Bridges</u>, <u>Sean O'Malley, Analysis of techniques to improve protocol processing latency, Conference proceedings on Applications, technologies, architectures, and protocols for computer communications, p.73-84, August 28-30, 1996, Palo Alto, California, United States</u>
- 14 George C. Necula, Peter Lee, Safe kernel extensions without run-time checking, Proceedings of the second USENIX symposium on Operating systems design and implementation, p.229-243, October 29-November 01, 1996, Seattle, Washington, United States
- 15 George C. Necula, Peter Lee, The design and implementation of a certifying compiler, Proceedings of the ACM SIGPLAN '98 conference on Programming language design and implementation, p.333-344, June 17-19, 1998, Montreal, Quebec, Canada
- 16 C. Pu , T. Autrey , A. Black , C. Consel , C. Cowan , J. Inouye , L. Kethana , J. Walpole , K. Zhang, Optimistic incremental specialization: streamlining a commercial operating system, Proceedings of the fifteenth ACM symposium on Operating systems principles, p.314-321, December 03-06, 1995, Copper Mountain, Colorado, United States
- 17 Margo I. Seltzer, Yasuhiro Endo, Christopher Small, Keith A. Smith, Dealing with disaster: surviving misbehaved kernel extensions, Proceedings of the second USENIX symposium on Operating systems design and implementation, p.213-227, October 29-November 01, 1996, Seattle, Washington, United States
- 18 M.I. Seltzer and C. Small. Self-monitoring and Self-adapting Operating Systems. 6th Workshop on Hot Topics in Operating Systems. Cape Cod, MA, May 1997.
- 19 C. Small. A Tool for Constructing Safe Extensible C++ Systems. 4th USENIX Conference on

Object-Oriented Technologies and Systems (COOTS), Santa Fe, NM, April 1998.

- 20 Amitabh Srivastava, Alan Eustace, ATOM: a system for building customized program analysis tools, Proceedings of the ACM SIGPLAN '94 conference on Programming language design and implementation, p.196-205, June 20-24, 1994, Orlando, Florida, United States
- 21 Robert Wahbe, Steven Lucco, Thomas E. Anderson, Susan L. Graham, Efficient software-based fault isolation, Proceedings of the fourteenth ACM symposium on Operating systems principles, p.203-216, December 05-08, 1993, Asheville, North Carolina, United States

↑ CITINGS 6

Kyung Dong Ryu, Jeffrey K. Hollingsworth, Peter J. Keleher, Mechanisms and policies for supporting fine-grained cycle stealing, Proceedings of the 13th international conference on Supercomputing, p.93-100, June 20-25, 1999, Rhodes, Greece

Brian K. Schmidt, Monica S. Lam, J. Duane Northcutt, The interactive performance of SLIM: a stateless, thin-client architecture, ACM SIGOPS Operating Systems Review, v.33 n.5, p.32-47, Dec. 1999

Michiel Ronsse, Koen De Bosschere, RecPlay: a fully integrated practical record/replay system, ACM Transactions on Computer Systems (TOCS), v.17 n.2, p.133-152, May 1999

Zhichen Xu., Barton P. Miller, Thomas Reps, Safety checking of machine code, ACM SIGPLAN Nótices, v.35 n.5, p.70-82, May 2000

Dylan McNamee, Jonathan Walpole, Calton Pu, Crispin Cowan, Charles Krasic, Ashvin Goel, Perry Wagle, Charles Consel, Gilles Muller, Renauld Marlet, Specialization tools and techniques for systematic optimization of system software, ACM Transactions on Computer Systems (TOCS), v.19 n.2, p.217-251, May 2001

Robert Grimm, Brian N. Bershad, Separating access control policy, enforcement, and functionality in extensible systems, ACM Transactions on Computer Systems (TOCS), v.19 n.1, p.36-70, Feb. 2001

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